

METHOD AND APPARATUS FOR DISTRIBUTING MULTIMEDIA TO REMOTE CLIENTS

Replacement Sheet

Janine W. Corley et al.

Appl. No.: 09/652,113 Atty Docket: INETCAM.004A



1 / 17

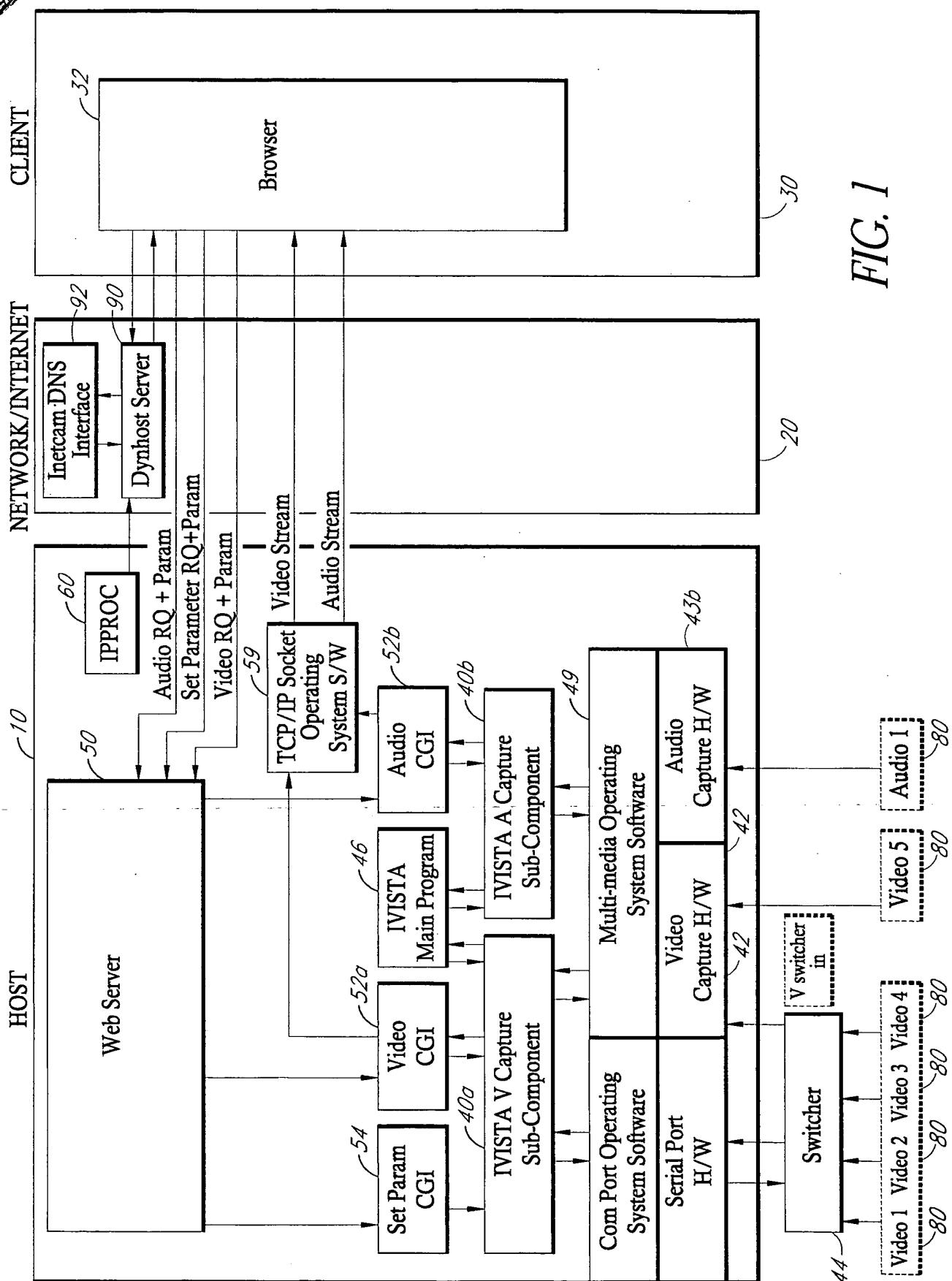
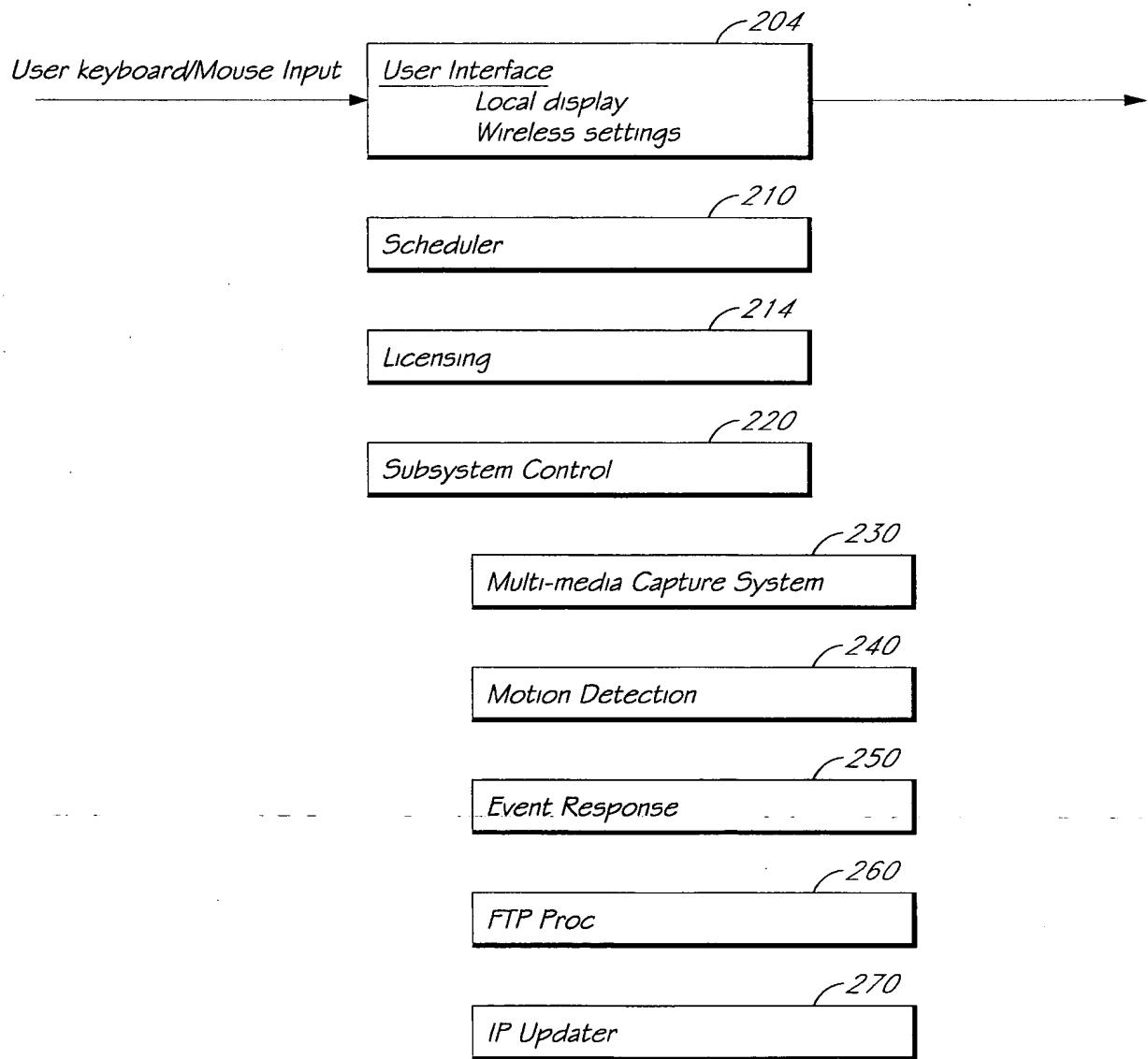


FIG. 1

**METHOD AND APPARATUS FOR DISTRIBUTING MULTIMEDIA TO REMOTE CLIENTS**  
*Replacement Sheet*      *Janine W. Corley et al.*  
*Appl. No.: 09/652,113 Atty Docket: INETCAM.004A*

2 / 17



*FIG. 2*

METHOD AND APPARATUS FOR DISTRIBUTING MULTIMEDIA TO REMOTE CLIENTS

Replacement Sheet

Janine W. Corley et al.

Appl. No.: 09/652,113 Atty Docket: INETCAM.004A

3 / 17

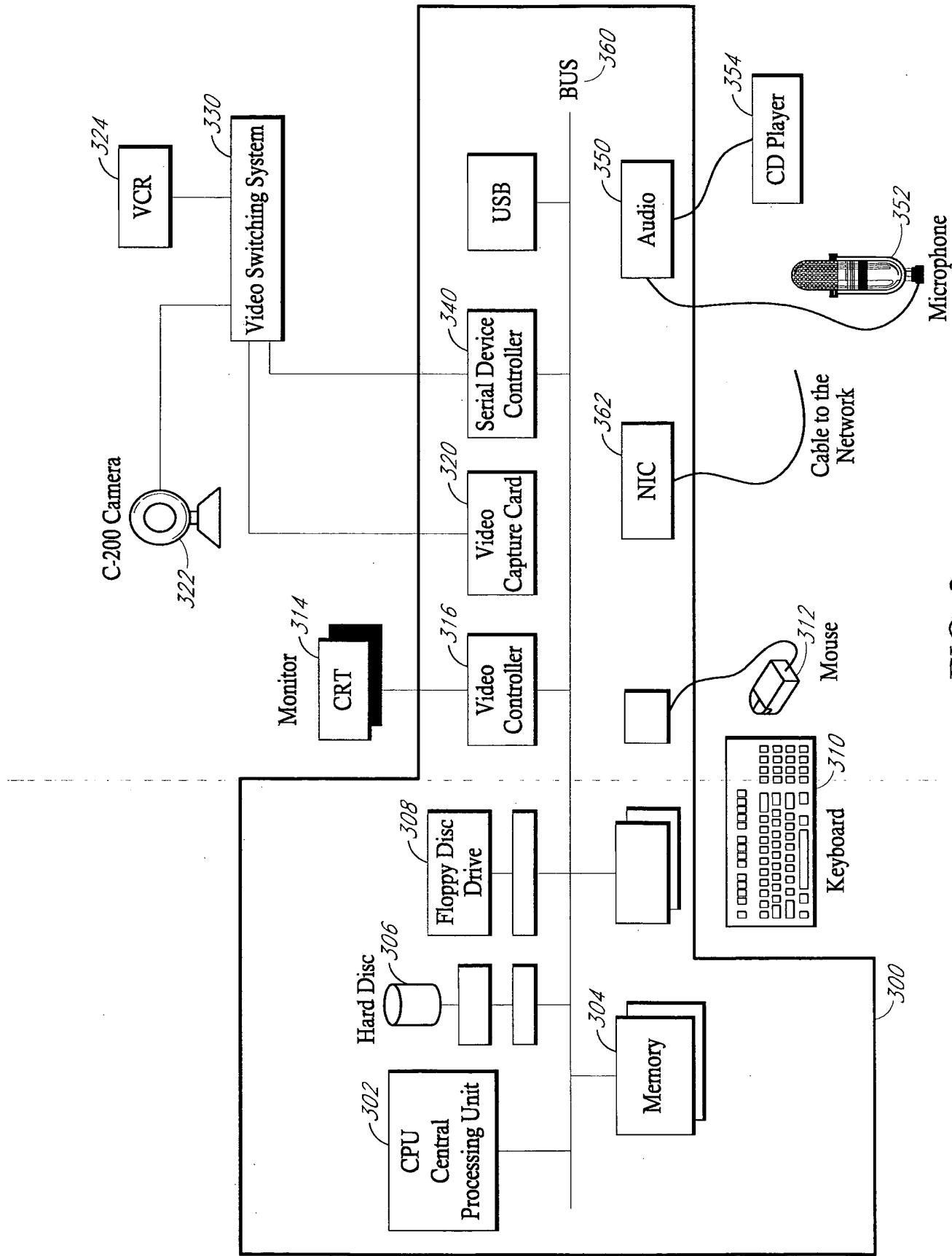
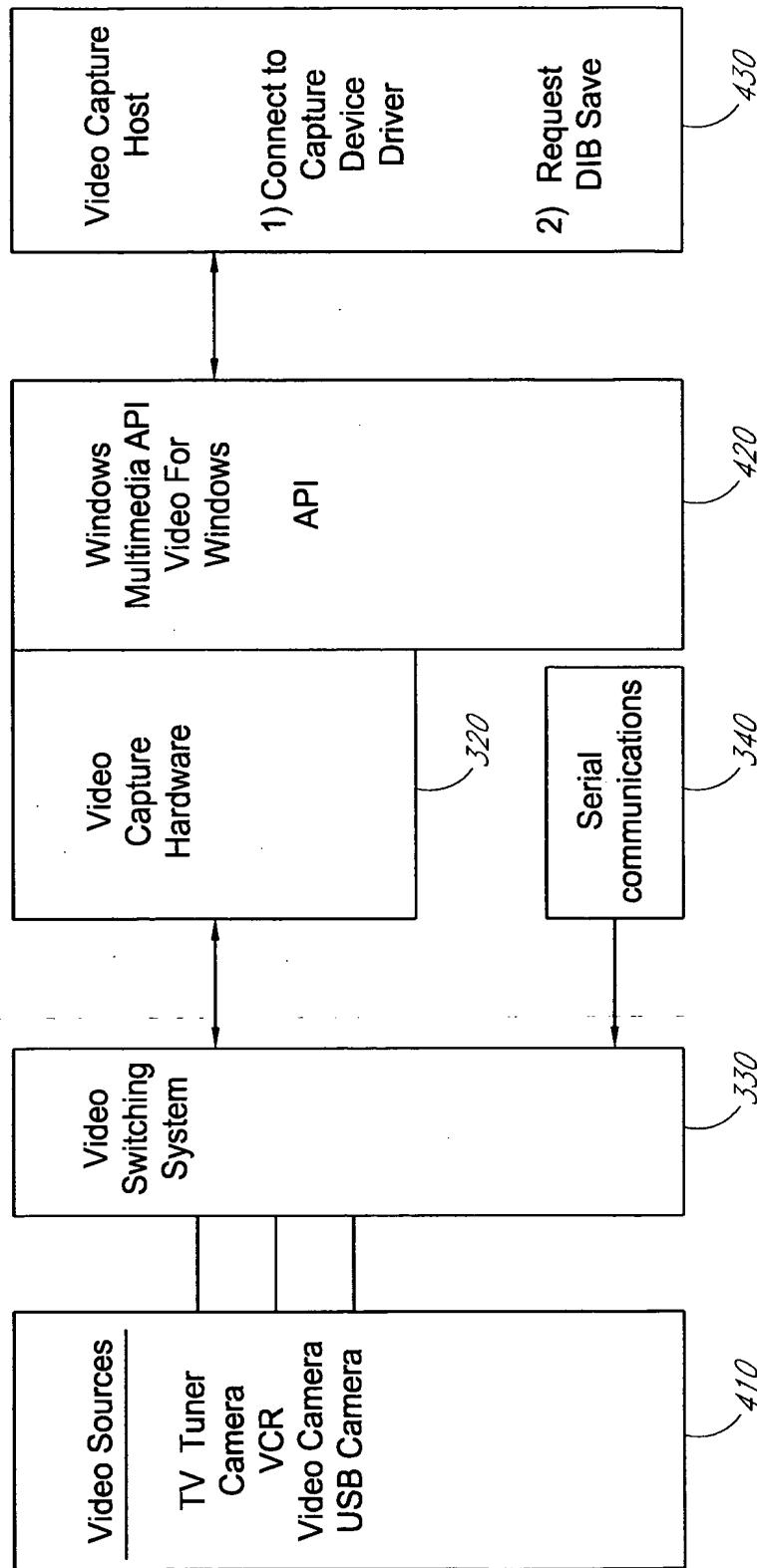


FIG. 3

**METHOD AND APPARATUS FOR DISTRIBUTING MULTIMEDIA TO REMOTE CLIENTS**  
*Replacement Sheet*  
Janine W. Corley et al.  
Appl. No.: 09/652,113 Atty Docket: INETCAM.004A

4 / 17



*FIG. 4A*

METHOD AND APPARATUS FOR DISTRIBUTING MULTIMEDIA TO REMOTE CLIENTS

Replacement Sheet

Janine W. Corley et al.

Appl. No.: 09/652,113 Atty Docket: INETCAM.004A

5 / 17

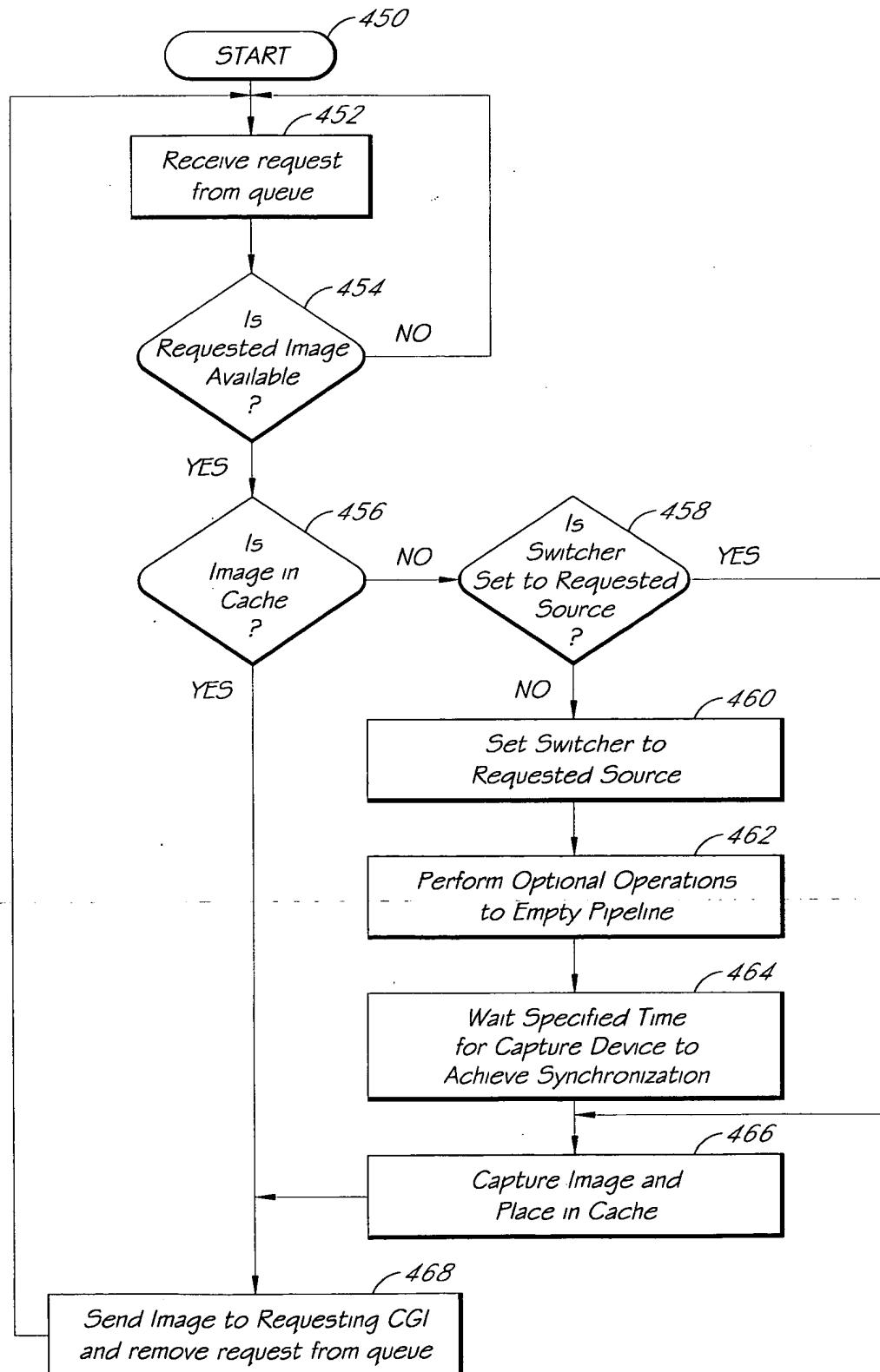


FIG. 4B

METHOD AND APPARATUS FOR DISTRIBUTING MULTIMEDIA TO REMOTE CLIENTS

Replacement Sheet

Janine W. Corley et al.

Appl. No.: 09/652,113 Atty Docket: INETCAM.004A

6/17

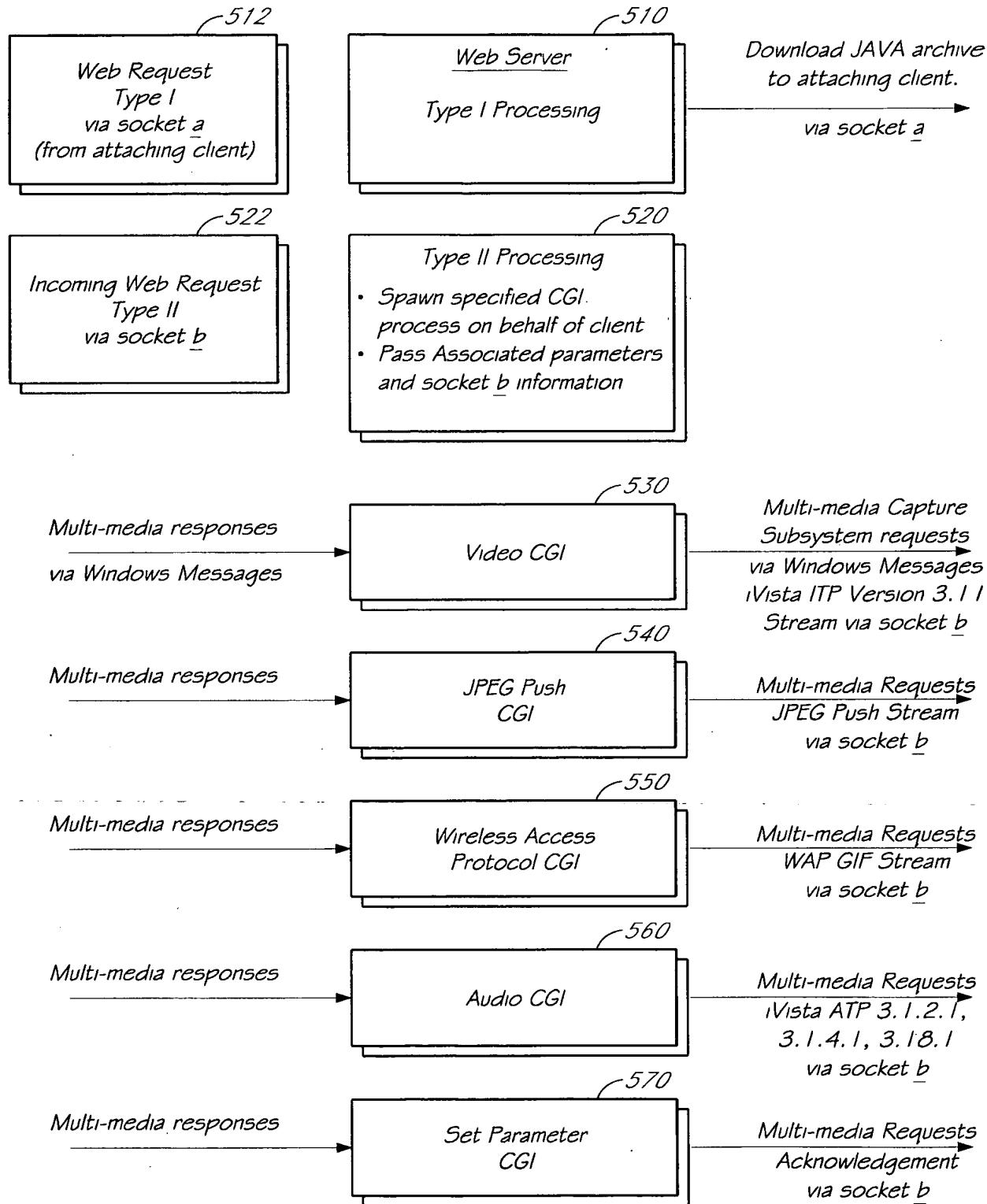


FIG. 5A

METHOD AND APPARATUS FOR DISTRIBUTING MULTIMEDIA TO REMOTE CLIENTS

Replacement Sheet

Janine W. Corley et al.

Appl. No.: 09/652,113 Atty Docket: INETCAM.004A

7/17

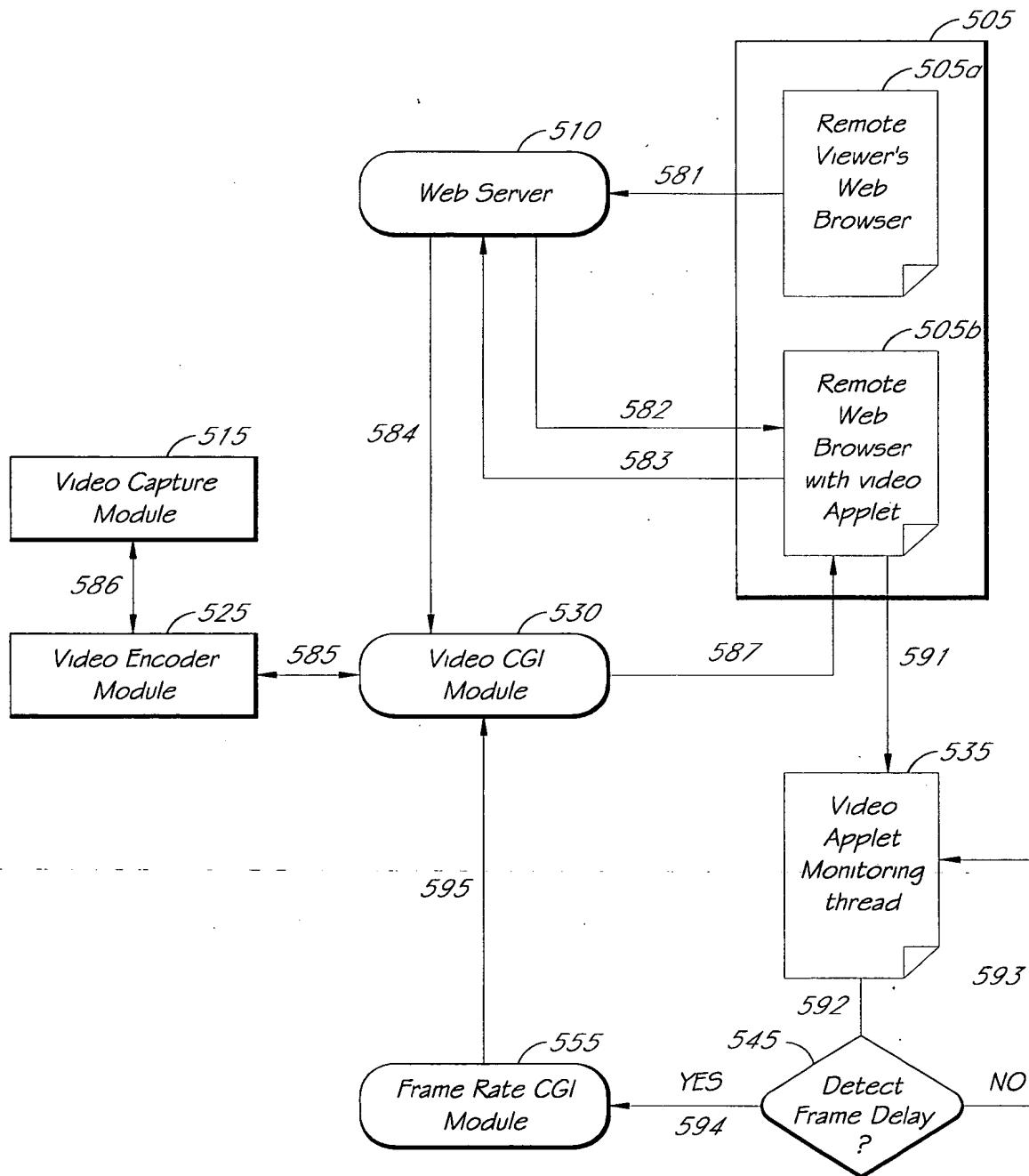


FIG. 5B

*METHOD AND APPARATUS FOR DISTRIBUTING MULTIMEDIA TO REMOTE CLIENTS*

*Replacement Sheet*

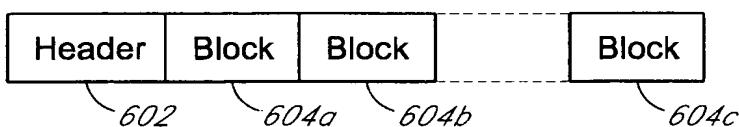
*Janine W. Corley et al.*

*Appl. No.: 09/652,113 Atty Docket: INETCAM.004A*

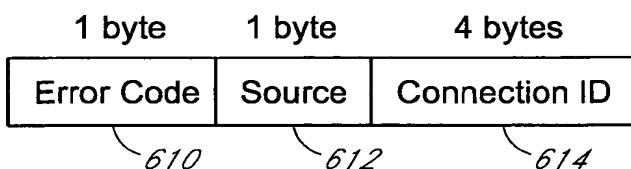
8 / 17

*FIG. 6*

**Video Stream Format**



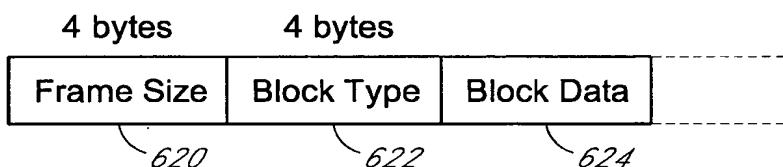
**Video Header**



0= success              0= host  
not zero= error        1= mirror

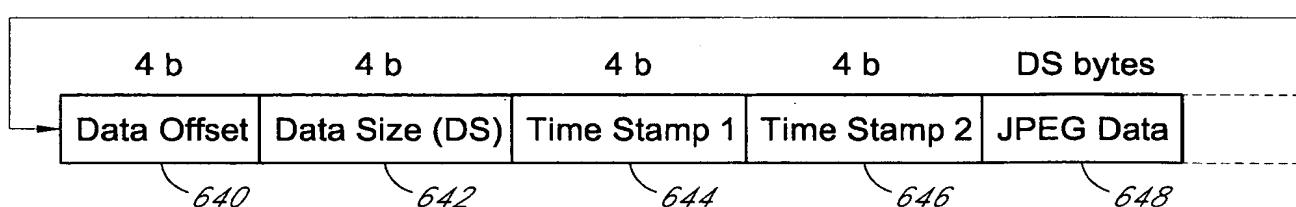
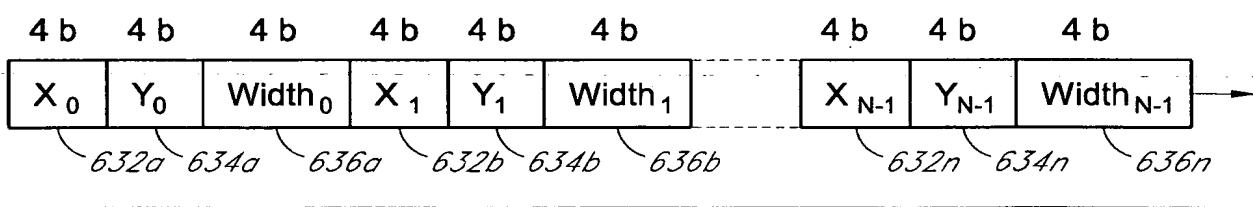
Note: If Error Code is non-zero,  
no bytes will follow and  
the stream is complete.

**Video Block**



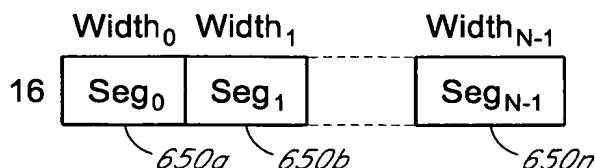
The following are the possible block types and their block data formats

Block Type = N (N>0), Partial Frame



In this case, the image consists of N segments arranged in a horizontal "stripe".  
The (X<sub>k</sub>, Y<sub>k</sub>, Width<sub>k</sub>) triplets describe the destination position and width of each segment. Each segment is 16 pixels tall.

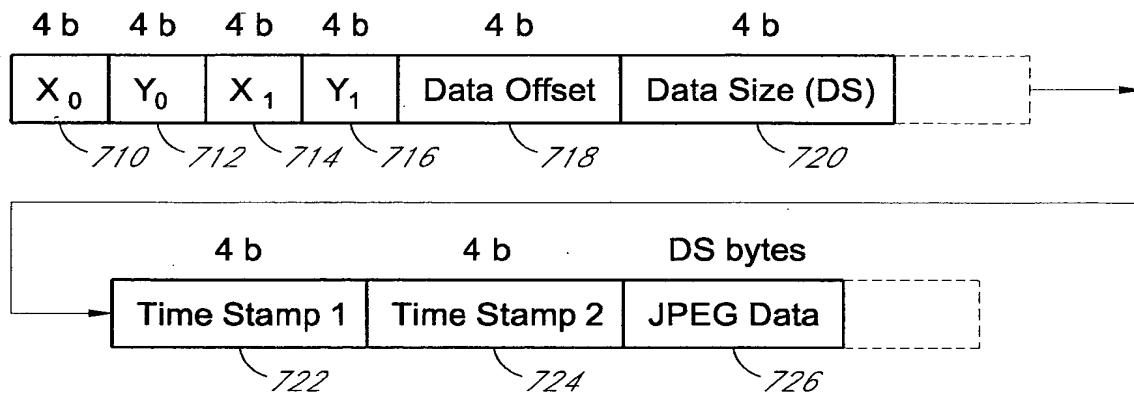
Figure:  
(A "strip" image)



9 / 17

## FIG. 7

Block Type = -3, Single Block

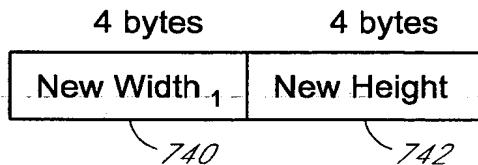


In this case, the JPEG is a single rectangle which is moved to (X<sub>0</sub>,Y<sub>0</sub>) - (X<sub>1</sub>,Y<sub>1</sub>) in the destination image.

Block Type = -4, Synchronization Frame

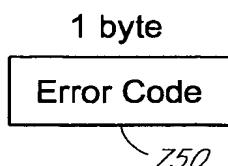
The format of this Block is identical to the Single Block described above with X<sub>0</sub> = 0, Y<sub>0</sub> = 0, X<sub>1</sub> = Width of Image, Y<sub>1</sub> = Height of Image. The block is used to resynchronize the video stream with real time.

Block Type = -1, New Image Size



This block indicates a change in the transmitted image size. It is immediately followed by a full image Single Block frame.

Block Type = -2, Error Block



This block indicates an error in the stream. The transmission is terminated following the error code.

METHOD AND APPARATUS FOR DISTRIBUTING MULTIMEDIA TO REMOTE CLIENTS

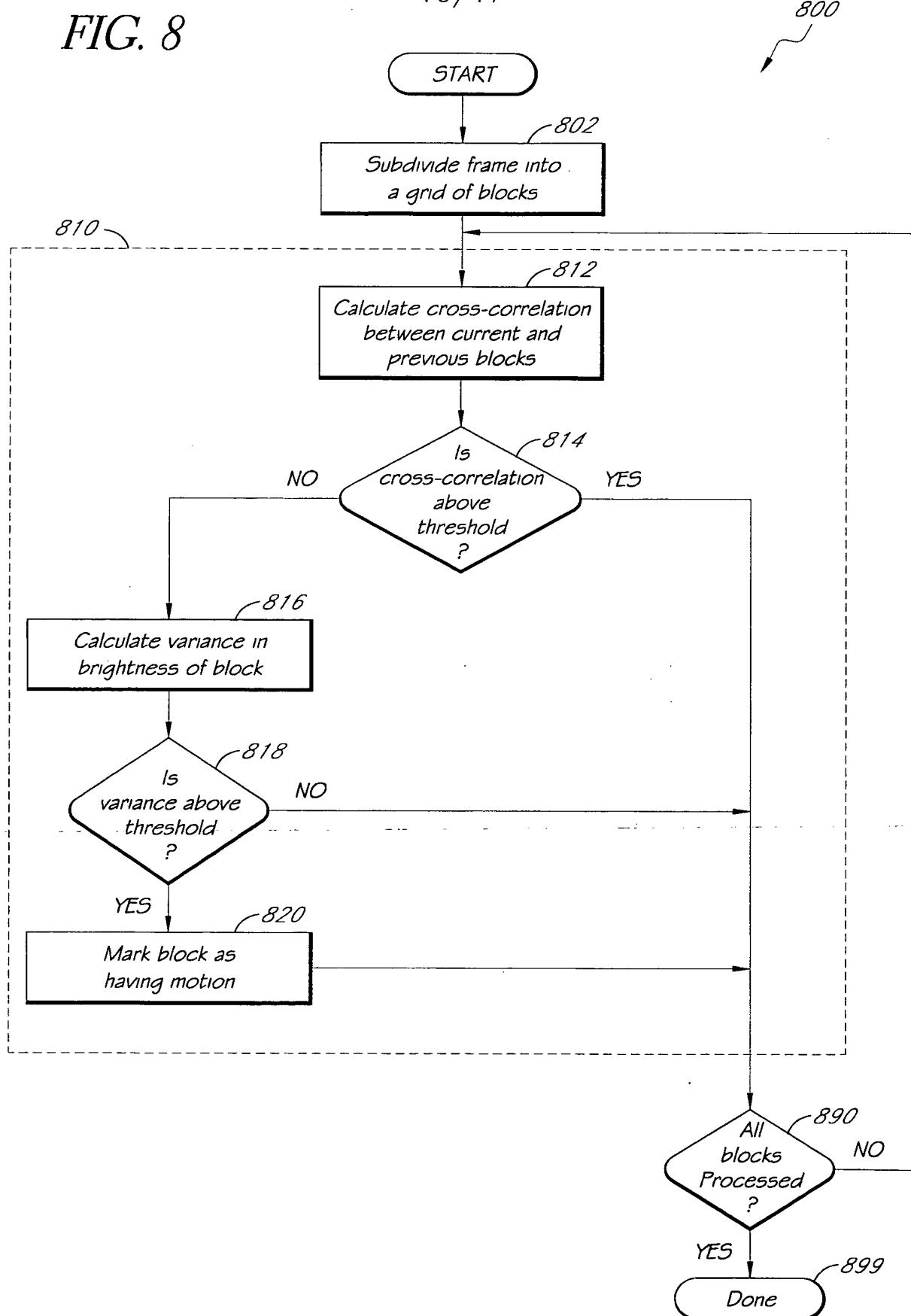
Replacement Sheet

Janine W. Corley et al.

Appl. No.: 09/652,113 Atty Docket: INETCAM.004A

10/17

FIG. 8



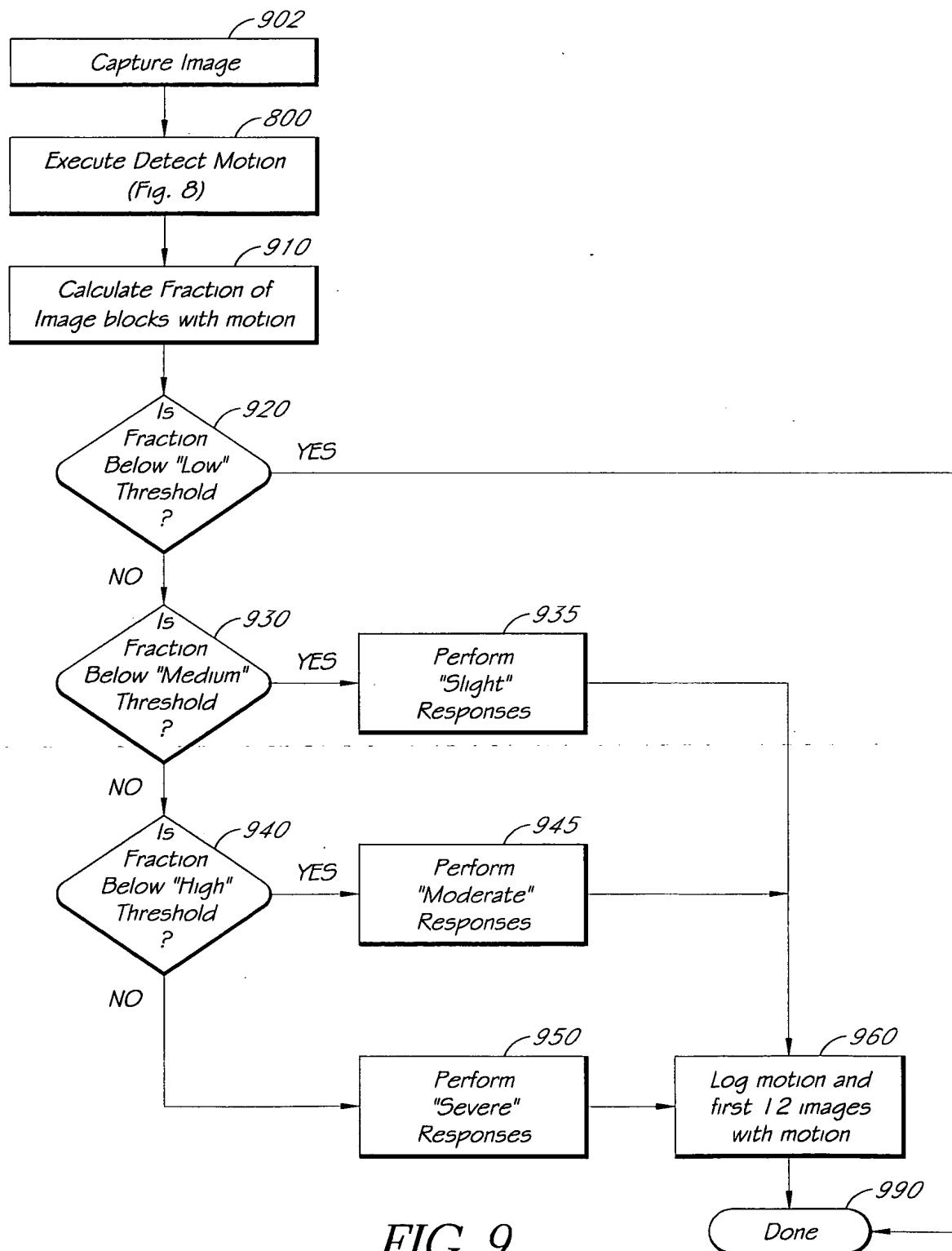


FIG. 9

METHOD AND APPARATUS FOR DISTRIBUTING MULTIMEDIA TO REMOTE CLIENTS

Replacement Sheet

Janine W. Corley et al.

Appl. No.: 09/652,113 Atty Docket: INETCAM.004A

12 / 17

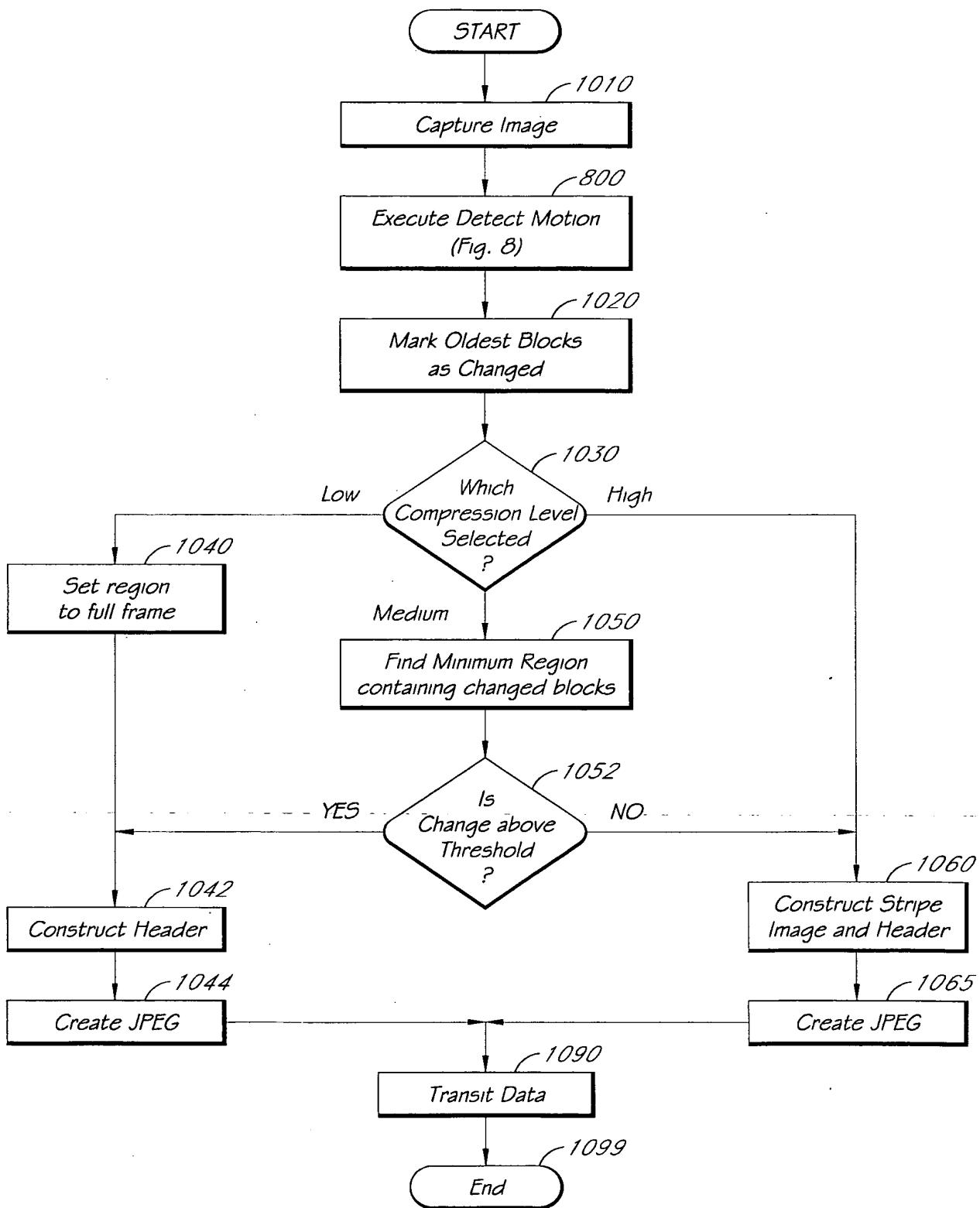


FIG. 10

METHOD AND APPARATUS FOR DISTRIBUTING MULTIMEDIA TO REMOTE CLIENTS

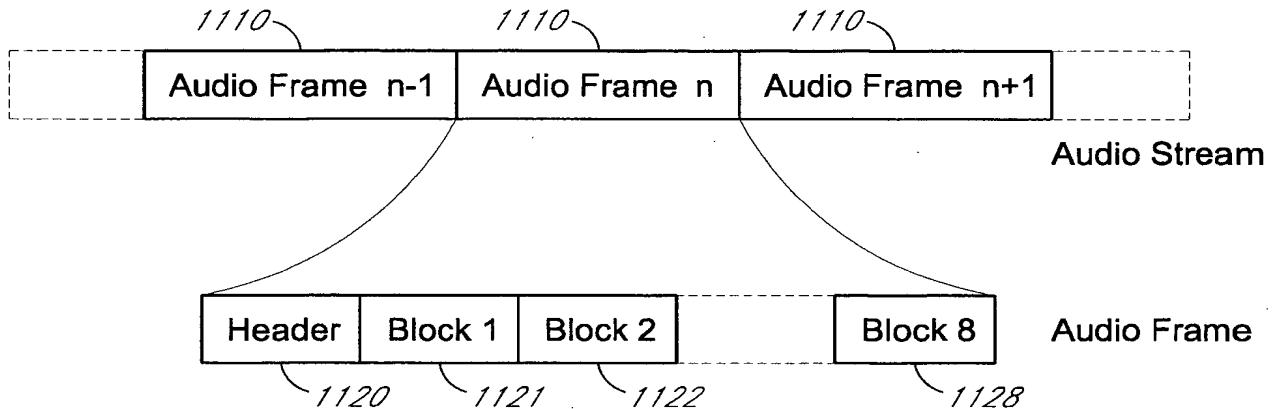
Replacement Sheet

Janine W. Corley et al.

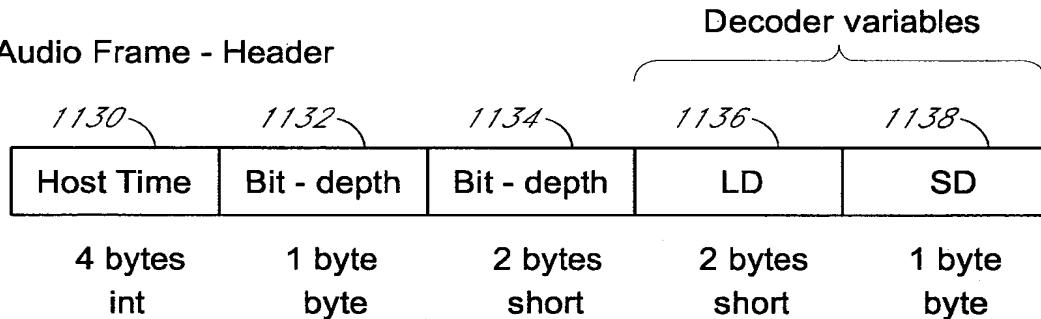
Appl. No.: 09/652,113 Atty Docket: INETCAM.004A

13/17

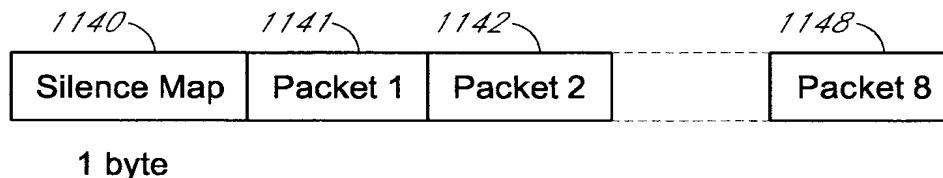
Audio Stream Format



Audio Frame - Header



Audio Frame - Block



Each bit in the silence map indicates whether the corresponding packet exists in the stream.

Each packet consists of 32 samples of 2-, 4-, or 8-bits each (thus 8, 16, or 32 bytes per packet).

2- and 4-bit encodings are in ADDCM format.

8-bit encoding is  $\mu$ -law compressed samples.

*FIG. 11*

METHOD AND APPARATUS FOR DISTRIBUTING MULTIMEDIA TO REMOTE CLIENTS

Replacement Sheet

Janine W. Corley et al.

Appl. No.: 09/652,113 Atty Docket: INETCAM.004A

14 / 17

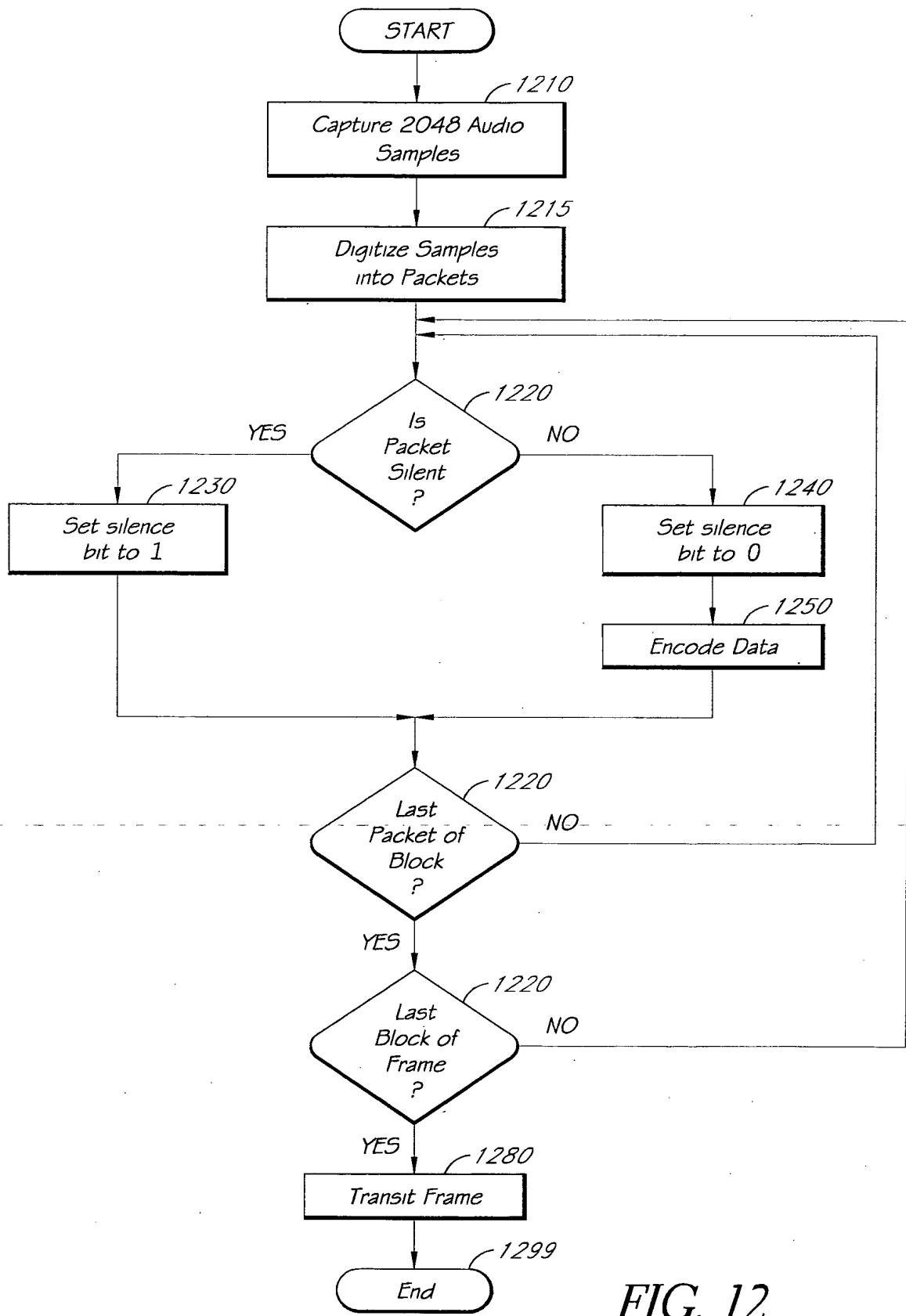


FIG. 12

METHOD AND APPARATUS FOR DISTRIBUTING MULTIMEDIA TO REMOTE CLIENTS

Replacement Sheet

Janine W. Corley et al.

Appl. No.: 09/652,113 Atty Docket: INETCAM.004A

15 / 17

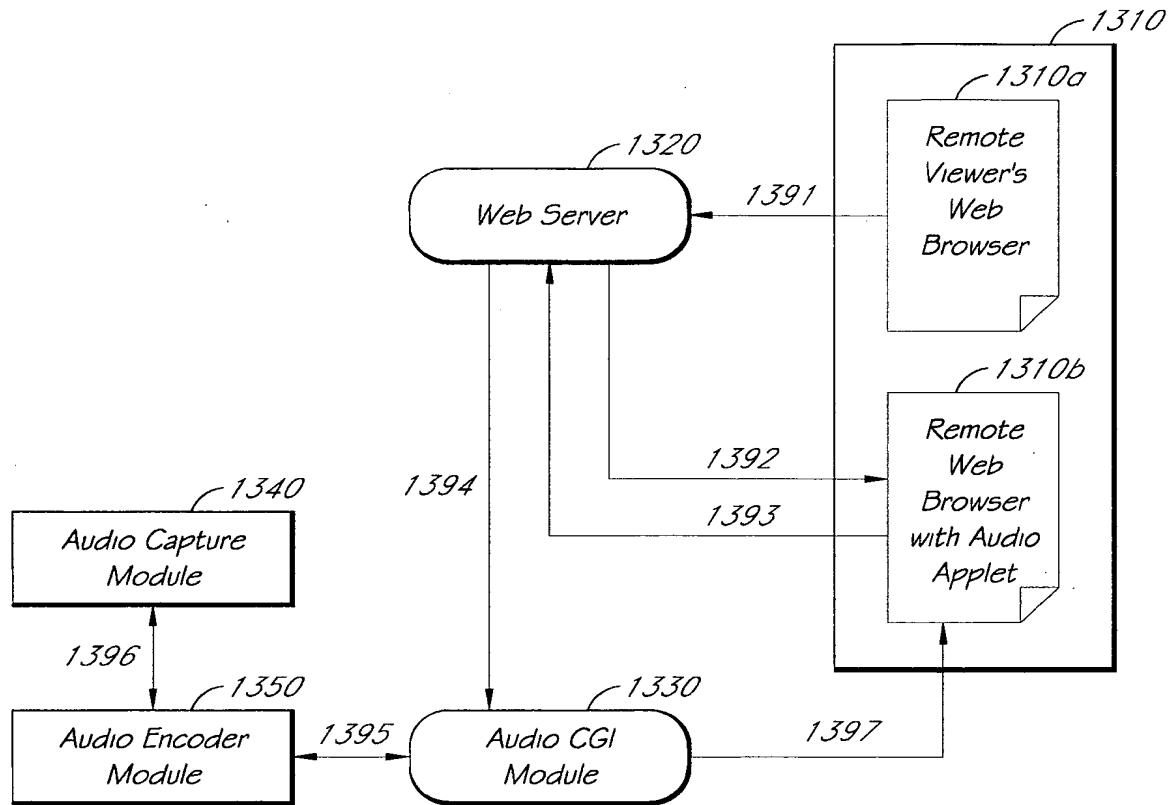


FIG. 13

METHOD AND APPARATUS FOR DISTRIBUTING MULTIMEDIA TO REMOTE CLIENTS

Replacement Sheet

Janine W. Corley et al.

Appl. No.: 09/652,113 Atty Docket: INETCAM.004A

16 / 17

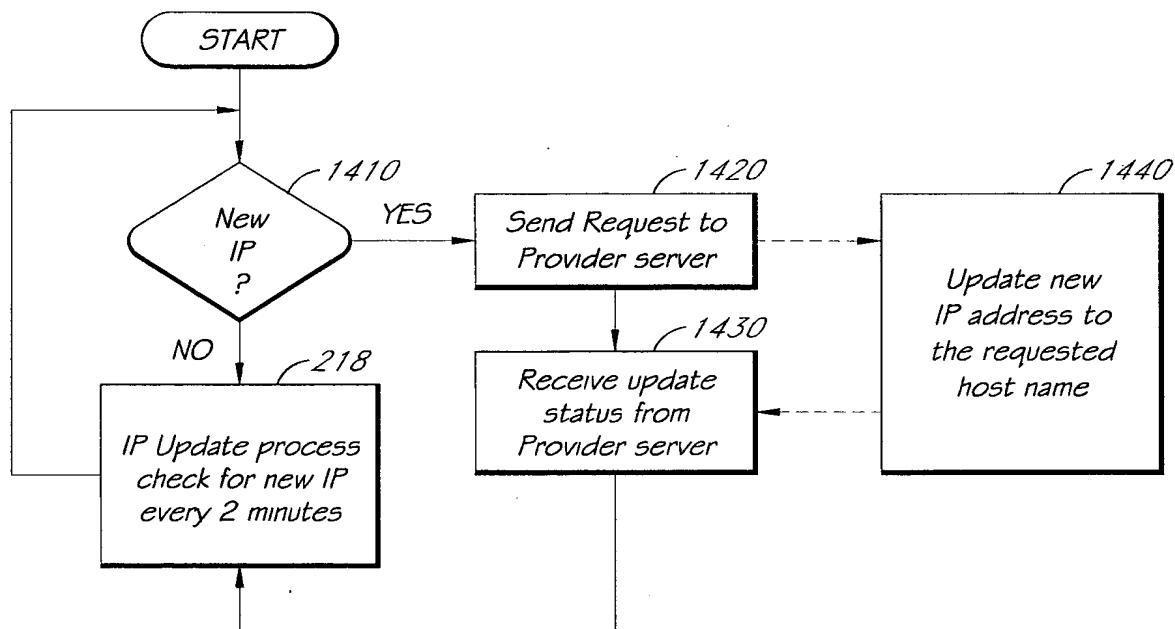


FIG. 14

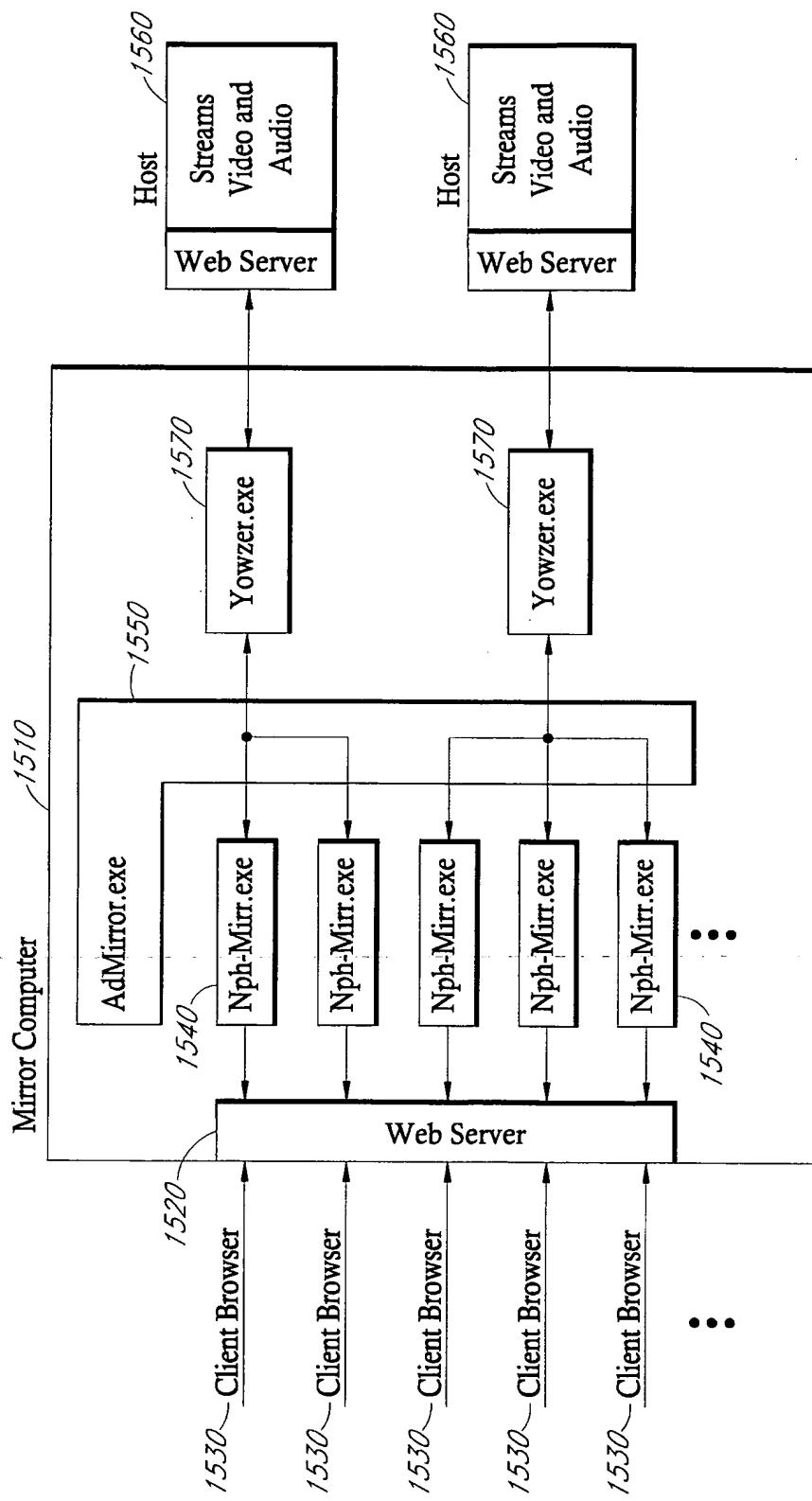


FIG. 15